From: Smith, Monica
To: Mason, Steve

Subject: FW: Harvey Branch location Map

Date: Monday, October 16, 2017 2:38:40 PM

Attachments: AWMA Harvey Presentation 10162017.pptx

Harvey Branch Location Map.pdf

From: Delgado, Eric

Sent: Monday, October 16, 2017 2:33 PM **To:** Mason, Steve <mason.steve@epa.gov>

Cc: Foster, Althea <Foster.Althea@epa.gov>; Smith, Monica <smith.monica@epa.gov>

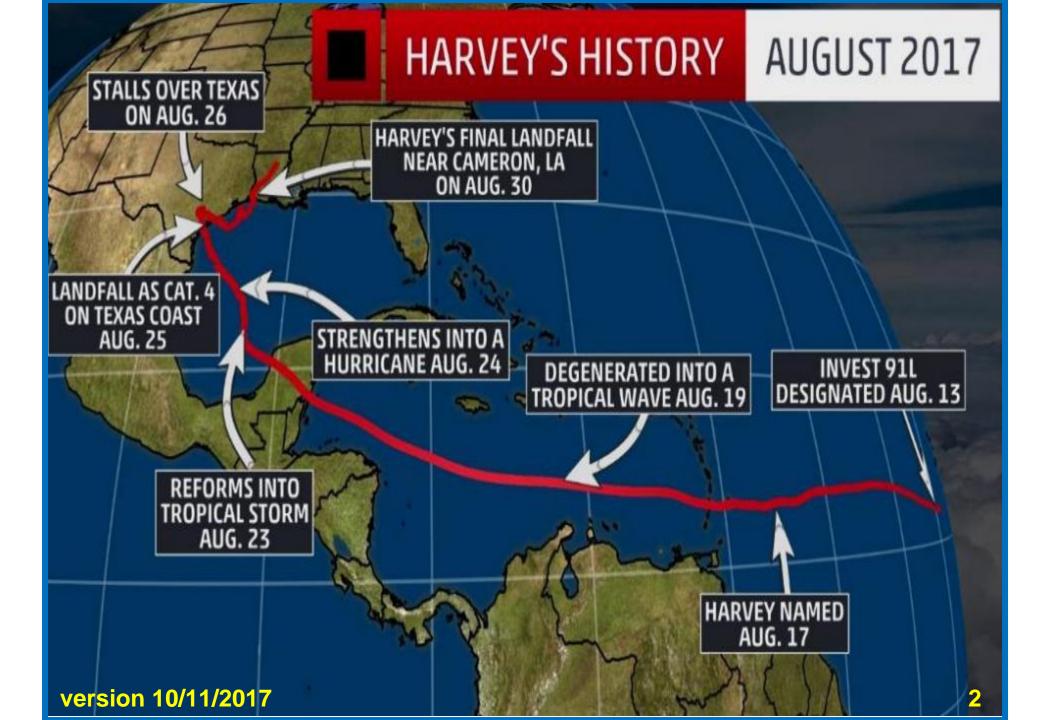
Subject: Harvey Branch location Map

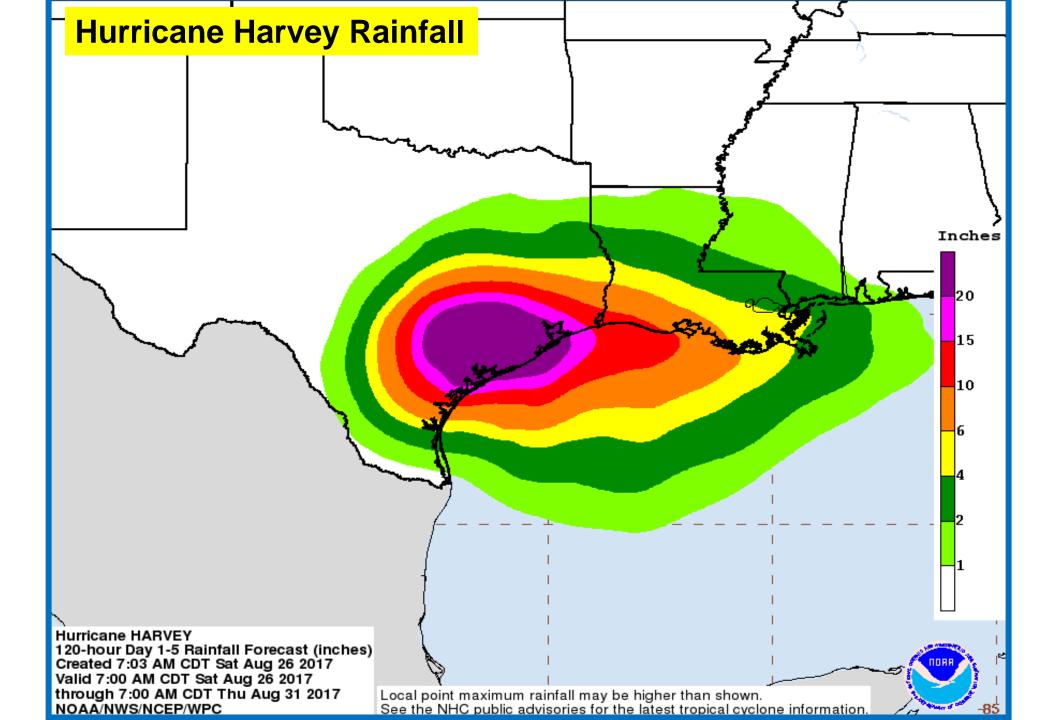




EPA Response to Hurricane Harvey

Carl Edlund Director, Superfund Division Region 6





UNIFIED COMMAND









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RESPONSE OBJECTIVES



- Maximize protection of public, health, and safety.
- Identify and evaluate affected drinking water and wastewater systems
- Identify and address orphaned containers or discharges from vessels and/or facilities
- Identify and address pollution targets.
- Identify and assess Department of Homeland Security critical infrastructure;
 chemical; and, refining facilities
- Establish and maintain a common operating picture.



RESPONSE OBJECTIVES

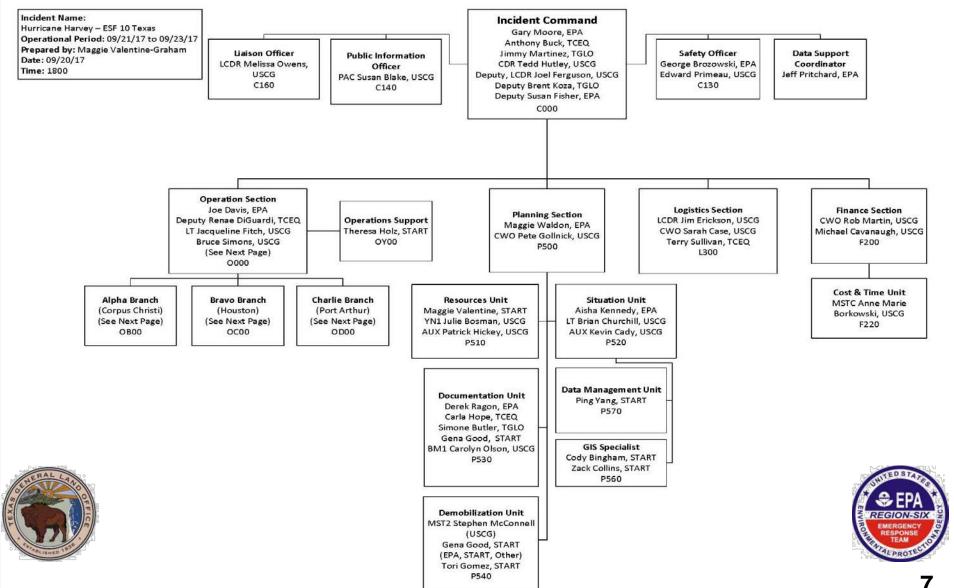
- Identify and maximize protection of environmentally sensitive areas and threatened species.
- Manage a coordinated interagency response effort through the Unified Command.
- Establish an Incident Management Team
- Inform the public, stakeholders, and the media of response activities.
- Adhere to appropriate financial accounting practices
- Deploy unique EPA assets to support the unified command response

version 10/11/2017



Unified Command Organization Chart





EPA Resources



version 9/10/2017





Unified Command Mobile Command Post

version 10/11/2017





Command & General Staff Meeting

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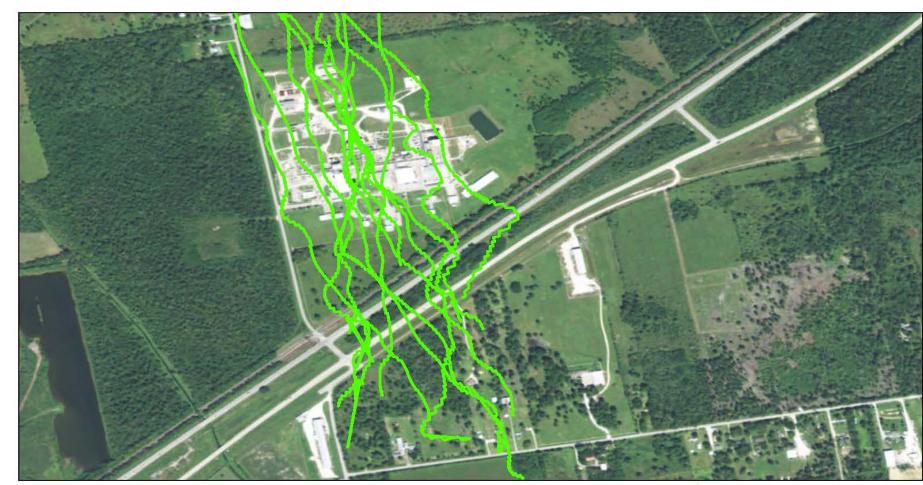
ASPECT Activities



- DHS and DOE requested monitoring
- Pipelines
- Refineries
- Releases at chemical and oil facilities
- Releases and orphan containers









ASPECT Flights

Chemical Compounds	Short-term AMCV (ppm)
1.1-dichloroethane	1.0
1-butene	27
acetone	11
dichlorodifluoromethane	10
ethyl acetate	4
ethylene	500
îsobutane	33
methyl ethyl ketone	20
methylene chloride	3.4
n-butyl acetate	7.4
n-propyl acetate	2
propylene Simple Asph	
A PROPERTY OF	22

Legend

----- No Readings Above Benchmarks

USA EPA REGION 6 Flight 13 ASPECT

What's an AMCV?

AMCV is a collective term used to describe chemical-specific air concentrations used to evaluate air monitoring data that are set to protect human health and welfare. Short-term AMCVs are based on data concerning acute health effects. AMCVs may contain health-based Reference Values (ReVs) and health- and welfare-based ESL values. AMCVs are screening levels used in TCEQ's evaluation of ambient air monitoring data to assess the value of the contained and the contained are provided by the contained are provided by the contained are provid

(ReVs) and health- and welfare-based ESL values. AMCVs are screening levels used in TCEQ's evaluation of ambient air monitoring data to assess the potential for measured concentrations of specific chemicals to cause health or welfare effects. Health-based AMCVs are safe levels at which exposure is unlikely to result in adverse health effects. ESLs are screening levels used in the TCEQ's air permitting process to establish maximum emission rates that are written into enforceable air permits. Health-based ESLs are set 70 percent lower than the safe level, or AMCV. This additional buffer allows TCEQ to take into account exposure to chemicals from multiple sources in air permit reviews.



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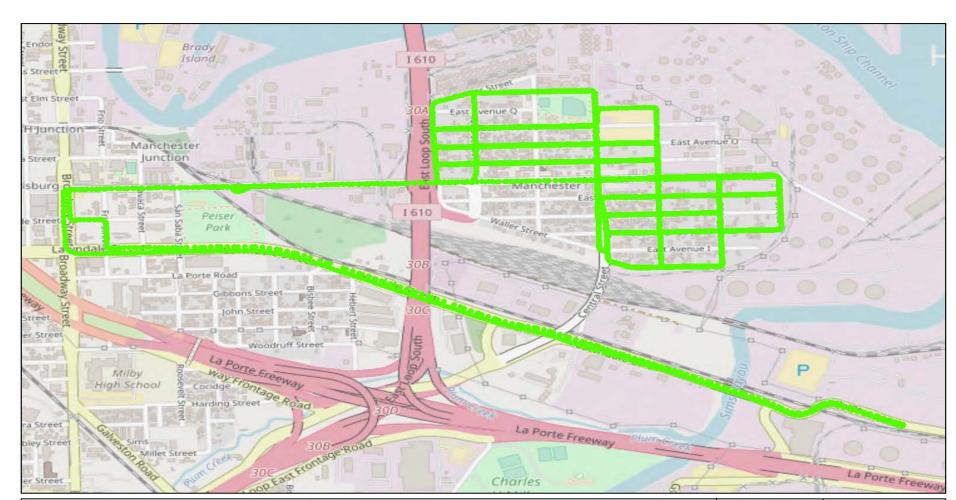
TAGA Activities





- Refinery monitoring
- Sensitive community monitoring
- Chemical manufacturing corridor monitoring

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TAGA Product

Substance	CAS#	Short-term AMCV Health (ppb)
1,1-dichloroethylene	75-35-4	180
benzene	71-43-2	180
m/p-xylene	179601-23-1	1700
o-xylene	95-47-6	1700
tetrachloroethylene	127-18-4	1000
toluene	108-88-3	4000
trichloroethylene	79-01-6	100

Legend

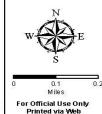
USA EPA REGION 6

No Readings Above Benchmarks

TAGA Runs on 20170905

What's an AMCV?

AMC Vis a collective term used to describe chemical-specific air concentrations used to evaluate air monitoring data that are set to protect human health and welfare. Short-term AMCVs are based on data concerning acute health effects. AMCVs may contain health-based Reference Values (ReVs) and health- and welfare-based ESL values. AMC Vs are screening levels used in TCEQ's evaluation of ambient air monitoring data to assess the potential for measured concentrations of specific chemicals to cause health or welfare effects. Health-based AMCVs are safe levels at which exposure is unlikely to result in adverse health effects. ESLs are screening levels used in the TCEQ's air permitting process to establish maximum emission rates that are written into en forceable air permits. Health-based ESLs are set 70 percent lower than the safe level, or AMCV. This additional buffer allows TCEQ to take into account exposure to chemicals from multiple sources in air permit reviews.



EPA GIS

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PHILIS Activities

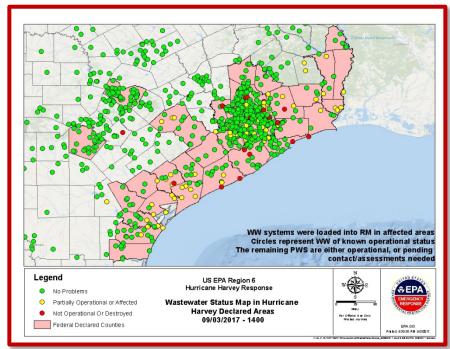
- On- Site Release assessment of analytical services
- Staging area sampling services
- Superfund site assessment analytical services

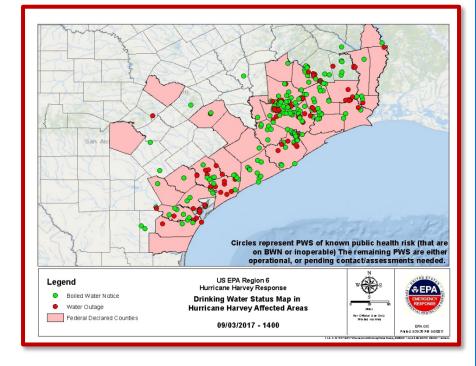


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Drinking Water / Waste Water Assessments







October 18, 2017

Orphaned Container Recovery









Superfund Sites



Support to TCEQ / Staging Area Observers









Community Liaisons





TOUR DE STATES DE LA LINE DE LA L

Accomplishments

- 130 Hazard Evaluations completed and closed
- 267 spills/discharge investigation completed
- 990 orphan containers recovered
- 567 drinking water assessments completed
- 385 waste water assessments completed
- Daily aerial over-flights for air monitoring

- 7 fuel waivers signed, 7th waiver covers 38 states
- 4 No Action Assurance letters signed
- Ground support air monitoring
- 43 NPL site evaluations completed
- EPA fully integrated with TCEQ and TGLO in Unified Command







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